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AFTER COCHLEAR IMPLANTATION

QUESTIONNAIRES FOR ASSESSING THE QUALITY OF LIFE OF CHILDREN Nailya M. Tulepbekova, Ruslan B. Zhumabayev, Gulnara Zh. Kapanova

Background

Asia in early 2000. In the Republic of Kazakhstan for the first time cochlear implantation was performed in 2007. The data on the use of the HRQoL of children after cochlear implantation in this region is scarce. Due to the lack of information about health-related quality of life of implanted children in mentioned region, we conducted the study to choose reliable and universal questionnaire.

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Objective

questionnaires used to assess the quality of life of the children after cochlear implantation considering age, hearing skills, schooling, ability to speak, cognitive and psychological factors.

Methodology Cochlear implantation (CI) The main objective of the Computer-assisted literature was implemented in Central study was to describe searching was conducted in several databases (Medline, Scopus) to identify articles related to questionnaires for parents or caregivers of children after cochlear implantation. We also obtained relevant statistical information from the WHO database. The search was performed the using following keywords: children, cochlear implantation, questionnaire. After screening 119 relevant paper, most common questionnaires, which are focused on quality of life of children after cochlear implantation, were selected.

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Results

In most cases there are used questionnaires with fewer questions. However, the crucial drawback of these questionnaires is either a small number of questions in each aspect, or only one aspect is considered. Of all the questionnaires, considering all aspects of the life of the family and the child who underwent cochlear implantation, is the Children Cochlear Implants: with Parent's Perspectives (CCIPP). The only drawback of which is the number of questions (74 questions).

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Conclusions

these Each **O**[†] questionnaires is unique in its own way for individual types of studies regarding children after cochlear implantation. It is not possible to judge their effectiveness IN connection with different conditions. Further research is needed to universal develop а questionnaire covering all aspects related to assess the quality of life of the children after cochlear implantation.

References

Chen F, Ni W, Li W, Li H. Cochlear Implantation and Rehabilitation. In: Li H, Chai R, editors. Hear. Loss Mech. Prev. Cure, vol. 1130, Singapore: Springer Singapore; 2019, p. 129–44.

Archbold S, Robinson K. A European perspective on pediatric cochlear implantation, rehabilitation services, and their educational implications. Am J Otol 1997;18:S75-78.

Kumar R, Warner-Czyz A, Silver CH, Loy B, Tobey E. American Parent Perspectives on Quality of Life in Pediatric Cochlear Implant Recipients: Ear Hear 2015;36:269–78.

Yorgun M, Surmelioglu O, Tuncer U, Tarkan O, Ozdemir S, Cekic E, et al. Quality of Life in Pediatric Cochlear Implantations. J Int Adv Otol 2016;11:218–21.

Lin FR, Niparko JK. Measuring health-related quality of life after pediatric cochlear implantation: A systematic review. Int J Pediatr Otorhinolaryngol 2006;70:1695–706.

Loy B, Warner-Czyz AD, Tong L, Tobey EA, Roland PS. The children speak: An examination of the quality of life of pediatric cochlear implant users. Otolaryngol Neck Surg 2010;142:247–53

Huttunen K, Rimmanen S, Vikman S, Virokannas N, Sorri M, Archbold S, et al. Parents' views on the quality of life of their children 2–3 years after cochlear implantation. Int J Pediatr Otorhinolaryngol 2009;73:1786–94.

Zhao Y, Li Y, Zheng Z, Li J, Nie X, Jin X, et al. Health-Related Quality of Life in Mandarin-Speaking Children With Cochlear Implants: Ear Hear 2019;40:605-14.

*Above mentioned sources are the main in our study, however other references were also used.

